ELBIT SYSTEMS WILL SHOWCASE A BROAD ARRAY OF CAPABILITIES DEMONSTRATING FULL SYSTEM INTEROPERABILTY AT DEFEXPO 2010

The interoperability will be demonstrated via a multimedia presentation depicting an operational scenario in which Elbit Systems' communications, UAS, observation, reconnaissance and target designation solutions interact and play integral roles

Elbit Systems will be presenting at the upcoming DEFEXPO 2010 (booth 18.17 G, Israel Pavilion, Hall 18, ground floor) a broad array of capabilities demonstrating full system interoperability, which will be demonstrated via a multimedia presentation.

The presentation, **"Networking in Action"** will feature real life combat situations and demonstrate how the systems' interoperability, in offensive operations on enemy territory, enables achievement of crucial objectives. The presentation will allow viewers to experience dynamic combat experiences and missions with dramatic special effects replicating how the systems work in fully realistic views. Like previous Elbit Systems' presentations which have won prestigious international awards for their innovative approach, this one promises to be just as memorable and exciting.

The following systems will be featured in the multimedia presentation:

Skylark® I-LE
This new model Skylark® unmanned aircraft system is based on the vast experience accumulated by Skylark® I in thousands of hours in operational flight in various war zones (Iraq and Afghanistan). In addition to major improvements implemented, based on extensive operational experience, Skylark® I-LE has been upgraded to offer longer endurance of up to three hours and enhanced

robustness, two crucial features that ensure overall improved operational performance.
In December 2008 the Israeli Defence Ministry selected Elbit Systems to equip the IDF battalion-level with the Skylark® I-LE for all Ground Forces, including training and logistics support.
Skylark® I-LE will be presented in real-size in the Elbit Systems booth.

BRO@DNET Wireless Point to Multi Point broadband WiMAX - based communications system
This complete turnkey, network based communications system expands the concept of "Network-Centric Warfare" (NCW) solutions. Based on wireless broadband WiMAX technology to deliver long range, high-capacity broadband IP based data, video and voice telecommunications, the Bro@dnet system enables all combat units and commands to use a single Internet network that includes all battlefield information. Israel's Ministry of Defence selected the Bro@dnet system solution for all the branches of the Israel Defence Forces.

ELSAT2000 - Tactical, Full Military Standardized Satellite Communication on-the-Move (SOTM) Solution.
ELSAT2000 is the first tactical, full military standardized satellite communication on-the-move (SOTM) solution, allowing low visibility profile and high data rate broadband capabilities. Elbit Systems developed a low profile SOTM antenna that provides broadband communication anywhere, anytime, supported by a unique modem technology for the SOTM communication.
ELSAT2000 will be presented in real-size in the Elbit Systems booth.

TMR - Tactical Multimedia Router
A military grade, triple-play secured IP routing solution for mobile & deployed command posts and armored command vehicles, TMR is designed to disseminate voice, data and video over narrowband and broadband Mobile Ad-hoc Networks (MANET).
TMR will be presented in real-size in the Elbit Systems booth.

SDR-7200 - Software Defined Radio
SDR-7200 enables the reception and transmission of live video feeds via simultaneous voice and data operation, on a single network of only 25Khz bandwidth at VHF frequency band with data transfer rates of up to 115.2 Kbps. SDR-7200 allows true command on move with data communication of several Mb/s across various band widths.
SDR-7200 will be presented in real-size in the Elbit Systems booth.

MaXess® - Elbit Systems' advanced broadband Military Wireless LAN supporting live video transmission and reception, MaXess® is based on advanced ad-hoc

networking protocols, enabling the land warrior to efficiently close the sensor to shooter loop.

VIC-500 Digital Intercom for tanks and other military vehicles is a digital wireless intercom system that links the on-board crew members among themselves as well as with the external world. With this system, each crew member can dismount the vehicle and move on foot unencumbered to a distances of up to 800 meters from the vehicle, while remaining in touch with all of the other mounted or dismounted crew members as well as with other forces and radio stations. The VIC-500's unique full-duplex conference communicating capability allows two crew members to speak simultaneously, while an unlimited number of personnel listen in, improving coordination and reducing operational errors.
VIC-500 will be presented in real-size in the Elbit Systems booth.

DASH - Display and Sight Helmet System
DASH enables pilots to aim their weapons simply by looking at the target. DASH measures the pilot's Line-Of-Sights (LOS) relative to the aircraft, and transfers its information to other aircraft systems. Aircraft, sensors, avionics and weapons are thus enslaved to the target. DASH is adaptable to any fighter/attack aircraft and will accommodate advanced missiles and smart weapon lock-on envelopes. Night flight capabilities are provided with the new DASH inherent dual visor capability and the **DASH-Night** helmet which benefits from all DASH features even in harsh weather conditions, and receives all flight information, targets and data for true 24/7operation. There are over 1000 helmets and 750 systems operational on 4 continents and onboard numerous different platforms.

PLDR II - Portable Lightweight Designator / Rangefinder
The PLDR-II system is a lightweight, man-portable, cutting edge laser designation and targeting system that permits war-fighters to rapidly bring effective fire to bear on hostile targets.
PLDR II will be presented in real-size in the Elbit Systems booth.

CORAL-LS - Hand-held 3-5 µm FPA Thermal Imaging Camera, based on the proven CORAL, the CORAL-LS is a Thermal Imaging Camera with integral 1.06µm imaging capability, incorporating a See Spot Camera. Lightweight, compact and equipped with a continuous zoom, the camera is suitable for close air support and forward observers, night sight laser designator units and ground**.**
CORAL-LS will be presented in real-size in the Elbit Systems booth.

Spectrolite (SPS 65V-5)
A unified EW suite for helicopters and transport aircraft, Spectrolite packs advanced EW capabilities into a single LRU, delivering superior identification and

location under challenging conditions. The resulting accurate DF (Direction Finding) of received signals and geo-location, significantly increases interception probability and enables swift extremely fast response time, minimizing the sensor-to-weapon loop.
SPS 65V-5 *will be presented in real-size in the Elbit Systems booth.*

PAWS (Passive Approach Warning System) - the Effective IR Missile Approach Warning System
PAWS is a highly effective family of operationally deployed staring IR Missile Approach Warning Systems. Drawing on its all-in-one concept for cost-effectively integrating multiple capabilities, ELISRA's IR solutions offer: Missile Approach Warning, Panoramic Display, Collision Avoidance, Small Arms Fire Warning and Detection.
PAWS *will be presented in real-size in the Elbit Systems booth.*

MUSIC® MUlti-Spectral Infrared Countermeasure System - a Laser Based DIRCM System for Protection of Aircraft from MANPADS–
Providing superior protection against multiple infrared missile threats to fixed and rotary-wing airborne platforms, MUSIC® is a highly effective Directed Infrared Countermeasure (DIRCM) system. MUSIC® integrates our advanced fiber laser and thermal imaging technologies to generate a high-power multi-spectral jamming signal to deflect shoulder fired IR missiles (MANPADS) from their intended target. Protecting military transport planes as well as attack and utility helicopters, MUSIC® operates automatically and safely without any effect on aircraft performance.
MUSIC® will be presented in graphic format in the Elbit Systems booth.

The following will be demonstrated in the Elbit Systems booth:

Dominator® Integrated Infantry Combat System - Detects, Delivers, Decides, Disseminates
Dominator® empowers infantry units with full situational awareness, networking them into integrated information systems. When using Dominator® every soldier is a sensor and platform. Land warriors can send and receive information in real time, view up-to-the-minute situation pictures (terrain, enemy and own forces) on personal displays as well as live video from different sensors, and transmit images and positions back to command posts and headquarters.
Some of the Dominator® systems for the infantry soldier will be presented in real-size in the Elbit Systems booth.

CORAL-CR - **Hand-held 3-5 µm FPA Thermal Imaging Camera** with continuous optical zoom and the addition of an integral digital compass, GPS

receiver and a laser rangefinder, CORAL-CR's light weight, ruggedized construction and excellent picture quality are well suited for security and perimeter defence target acquisition missions. CORAL CR can also function as a night sight for medium range weapon systems or night binocular for light patrol boats and MBT/AFV commanders.
CORAL–CR will be presented in real-size in the Elbit Systems booth.

LILY is a new family of lightweight Thermal Imaging Weapon Sights (TWS) designed for use by individual infantry soldiers, which provide significant advantages for operations in total darkness and in even the most difficult environmental conditions.

LILY *will be presented in real-size in the Elbit Systems booth.*

Micro-CoMPASS™ - Micro Multi-Purpose Advanced Stabilized System
An 8" extremely lightweight and compact day and night surveillance system, Micro-CoMPASS™ is optimized for use in a wide range of platforms. Featuring compact dimensions, low weight, high degree of stabilization and high performance sensors, Micro-CoMPASS™ is highly effective solution for helicopters, UAS, seaborne electro-optics surveillance systems, fire control systems and search & rescue missions.
Micro-CoMPASS™ will be presented in real-size in the Elbit Systems booth.

Hermes® 90 - This UAS features high survivability and is a long endurance UAS with 18 hours mission range of up to 100 kilometers. Hermes® 90 provides varied payloads integration capability and dual launch and recovery methods including integral launcher for point launch and recovery on non-prepared surfaces without using any dedicated ground equipment, as well as strip operation. The system enables full integration with any C^4I system, for fast imagery dissemination as well as easy coordination between the operational forces in the field. The Hermes®90 is ideal for a range of missions and particularly maneuvering forces.

Hermes®90 will be presented in real-size in the Elbit Systems booth.

The following Unmanned Systems will be presented in the Elbit Systems booth in a 1:10 scale:

Unmanned Aircraft Systems (UAS):

- **Hermes® 450** the primary platform of Israel Defence Forces in counter-terror operations features new capabilities: improved communication channels and more powerful engine performance

- **Hermes® 900** - Elbit Systems' new Tactical MALE - Looking to address the growing demand for Tactical MALE UAS platforms, Elbit Systems added the Hermes® 900 to its growing UAS family. With its 15 m wingspan and 970 kg max takeoff weight, the Hermes® 900 is a natural extension of the Hermes® 450 tactical UAS. While offering all Hermes® 450 capabilities, it features larger multi-payload configurations, higher flight altitude and extended flight time.
  Hermes® 900 has recently completed a successful maiden flight and will commence serial production following the completion of additional flight tests.

- **Skylark® I** - A mini/man-pack UAS, Skylark® I is ideal for lower echelons self support reconnaissance close range beyond-the next-hill missions

- **Skylark® II** is a close range tactical UAV that can perform day, night and adverse weather observation, data collection and target marking at mission ranges exceeding 50 kilometers. The system is designed for battlefield deployment using Humvee class field vehicles equipped with an integral launcher for point launch and recovery, and an advanced dual station Ground Control Station. Full cycle operation is possible with a crew of two.

Unmanned Surface Vehicle:

- **Silver Marlin** - A fast, agile, highly maneuverable medium-sized USV featuring autonomous obstacle avoidance sensors and controls. Capable of carrying a wide variety of payloads including Elbit Systems' electro-optic naval payloads and Remote-Controlled Stabilized Weapon Station, this USV features adaptive boat control to enhance performance in rough conditions and at high speeds.

The following systems and solutions for Armored Fighting Vehicles (AFVs) will be highlighted at the Company booth:

Full Gun Electronic Suite for Artillery (GES)

GES is a solution suitable for old and new types of guns which includes Elbit Systems' Enhanced Tactical Computer (ETC) and COMBAT, Artillery C^4I and Fire Control Application. It controls all guns' electronic components: Integrated Navigation System, Gun Auto Laying Drive, Laser Range Finder, Vision Devices and interface to radios and ACCCS (Artillery Command Control and Communications System).

Weapon Integrated Battle Management System (WIN BMS) An essential add-on to virtually any combat vehicle's mounted sensor or weapon system, forming well-coordinated battle teams that perform their tasks with optimum speed and precision. WINBMS supports the full spectrum of battalion-and-below tactical units requirements meeting their operational needs, including direct fire engagement and troops maneuvering, indirect fire support, intelligence and logistics. In addition to its combat networking capabilities, this integrating "super" system provides commanders and crewmen with simplified operational man-machine interface, enhanced situational awareness and data communication capabilities.

Laser Warning System (E-LWS) offers a variety of advanced LWS tailored to fit any customer's needs. These systems can detect, categorize and pinpoint laser and IR sources including laser rangefinders, laser designators, beam rider transmitters, IR illuminators and trainers. To deal with future threats Elbit Systems has made it possible to combine detecting capabilities of a variety of RF transmitters into its LWS products. Elbit Systems' LWS is immune to reflections from nearby objects, gun firing, lightning, fires, explosions and on-board laser operation. The LWS can be installed at field level as stand-alone or integrated systems. No armor machining is required for installation.

ELISRA – An Elbit Systems Company

SAPIR- Situational Awareness Panoramic IR – Add –on Power for Mission Safety

SAPIR provides a breakthrough solution for piloting and situation awareness enhancement while answering the commonly encountered ‘looking through soda straw’ problem experienced by aviators worldwide with currently deployed, limited field of view night piloting systems.

SAPIR will be presented in real-size in the Elbit Systems booth.

COMINT-DF/ELINT/COMJAM/DFECM

Systems and payloads that detect and intercept the most sophisticated threats through rapid spectrum scanning processed by sophisticated algorithms and enabling jamming/detection on selected threats, the COMJAM solution provides modular, easily reconfigurable building blocks. Together, these building blocks, optimally configured for the specific armed forces, create a formidable COMJAM power.

Sunstone GES 210 – A ground-based, tactical and strategic ESM/ELINT system, Sunstone GES 210 is a field-proven system delivers exceptionally accurate real-time situation awareness, and continuous, 24-hour ESM/ELINT information gathering. Suitable for any geographical arena, the GES 210 supports all mobile and stationary ground platforms. Modular, scalable and interoperable, it is easy to deploy, operate and maintain, and can be quickly and easily configured to customer requirements, accommodating any frequency range and area of coverage.

TSR 2300 - Elisra's new line of receivers enables coping with wide band, frequency hopping systems that blend into the "regular" former generation spectrum congestion, while carrying out the desired COMINT systems' mission requirements. These receivers have a very high instantaneous dynamic range and a built-in modular design that enables many operational capabilities.
TSR 2300 will be presented in real-size in the Elbit Systems booth.

About Elbit Systems
Elbit Systems Ltd. is an international defense electronics company engaged in a wide range of defense-related programs throughout the world. The Company, which includes Elbit Systems and its subsidiaries, operates in the areas of aerospace, land and naval systems, command, control, communications, computers, intelligence surveillance and reconnaissance ("C4ISR"), unmanned aircraft systems ("UAS"), advanced electro-optics, electro-optic space systems, EW suites, airborne warning systems, ELINT systems, data links and military communications systems and radios. The Company also focuses on the upgrading of existing military platforms and developing new technologies for defense, homeland security and commercial aviation applications.
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